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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/650,175	08/28/2003	Jing Jou	A3-099 US	5957
23683	7590	03/31/2004	EXAMINER	
MOLEX INCORPORATED 2222 WELLINGTON COURT LISLE, IL 60532			TA, THO DAC	
			ART UNIT	PAPER NUMBER
			2833	
DATE MAILED: 03/31/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/650,175

Applicant(s)

JOU, JING

Examiner

Tho D. Ta

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-9 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-9 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 28 August 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 112

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claims 4-7 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 4 recites the limitation "the first conductive terminals" in lines 1 and 2.

There is insufficient antecedent basis for this limitation in the claim.

Claim 4 recites the limitation "the second conductive terminals" in lines 2 and 3.

There is insufficient antecedent basis for this limitation in the claim.

Claim 5 recites the limitation "the second conductive terminals" in lines 1 and 2.

There is insufficient antecedent basis for this limitation in the claim.

Claim 5 recites the limitation "the first conductive terminals" in lines 2 and 3.

There is insufficient antecedent basis for this limitation in the claim.

Claim 6 recites the limitation "the first conductive terminals" in lines 1 and 2.

There is insufficient antecedent basis for this limitation in the claim.

Claim 6 recites the limitation "the second conductive terminals" in lines 2 and 3.

There is insufficient antecedent basis for this limitation in the claim.

Claim 7 recites the limitation "the first conductive terminals" in lines 1 and 2.

There is insufficient antecedent basis for this limitation in the claim.

Claim 7 recites the limitation "the second conductive terminals" in lines 2 and 3. There is insufficient antecedent basis for this limitation in the claim.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1-3, 5-9 are rejected under 35 U.S.C. 102(b) as being anticipated by Erk (4,818,239).

In regard to claim 1, Erk discloses an electrical connector 10 for mounting on a circuit board 68 for providing an inserting connection with two mating connectors, comprising: an insulative housing 12, 14 having a body formed thereto, two insertion parts 34, 36 respectively located on an upper half and a lower half of the body; the body having a first face and a second face opposite to the first face, the insertion parts 34, 36 extending from the first face in a direction away from the second face; wherein the insertion part 36 on the lower half of the body include a first set of conductive terminals 32 and the insertion part 34 on the upper half includes a second set of conductive terminals 32, each conductive terminal 32 having a first contact 38 and a second contact 40, the first contacts 38 extending from the first face of the body in a direction away from the second face and the second contacts 40 protrude from the second face in a direction away from the first face, and wherein the body has a plurality of first projections 44 respectively at a lower position on the second face, the first projections

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44 respectively dividing and positioning the second contacts 40 of the first set of conductive terminals 32 individually.

In regard to claim 2, Erk discloses that the first projections 44 position the second contacts 40 of the second set of conductive terminals 32 individually.

In regard to claim 3, Erk discloses that the body has a plurality of second projections 44 respectively at an upper position on the second face, so that the second projections 44 respectively divides and positions the second contacts 40 of the second set of conductive terminals 32 individually.

In regard to claim 5, Erk discloses the second contacts 40 of the second conductive terminals 32 (upper half) are divided into two groups (see attached drawing), and the second contacts 40 of the first conductive terminals 32 (lower half) are arranged between the two groups of the second contacts 40 of the second set of conductive terminals 32 (upper half).

In regard to claim 6, Erk discloses that the second contacts 40 of the first conductive terminals 32 (lower half) are arranged separate from the second contacts 40 of the second conductive terminals 32 (upper half) in two rows.

In regard to claim 7, Erk discloses that the second contacts 40 of the first

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conductive terminals 32 (lower half) and the second contacts 40 of the second conductive terminals 32 (upper half) are alternatively arranged with each other (see fig. 1).

In regard to claim 8, Erk discloses that an insertion guiding part (outside parameter of 34 and 36) extends from the first face in a direction away from the second face, the guiding part including guiding recesses (the different height between the front wall of 12, 14 and the distal free end of 34 and 36; see fig. 1) corresponding to the upper and lower insertion parts 34, 36.

In regard to claim 9, Erk discloses that the insertion guiding part prevents the improper mating of the mating connectors with the electrical connector assembly (see fig. 1).

Allowable Subject Matter

5. Claim 4 would be allowable if rewritten to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action and to include all of the limitations of the base claim and any intervening claims.

6. The following is a statement of reasons for the indication of allowable subject matter: the prior art fails to provide, teach or suggest the second contacts of the first conductive terminals (lower connector) are alternatively arranged with the second

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contacts of the second conductive terminals (upper connector) in a single row; and in combination with all of the limitations of the base claim and any intervening claims.


Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tho D. Ta whose telephone number is (571) 272-2014. The examiner can normally be reached on M-F (8:00-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on (571) 272-2800 ext 33. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

tdt
03/24/04


THO D. TA
PRIMARY EXAMINER

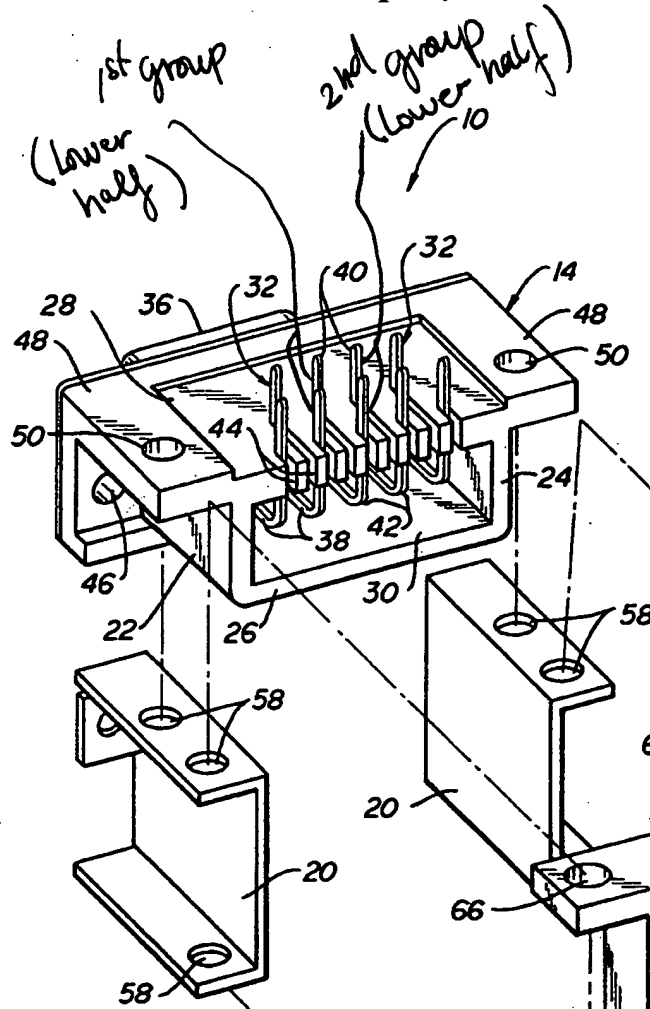


FIG. 1.

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FIG. 2.

